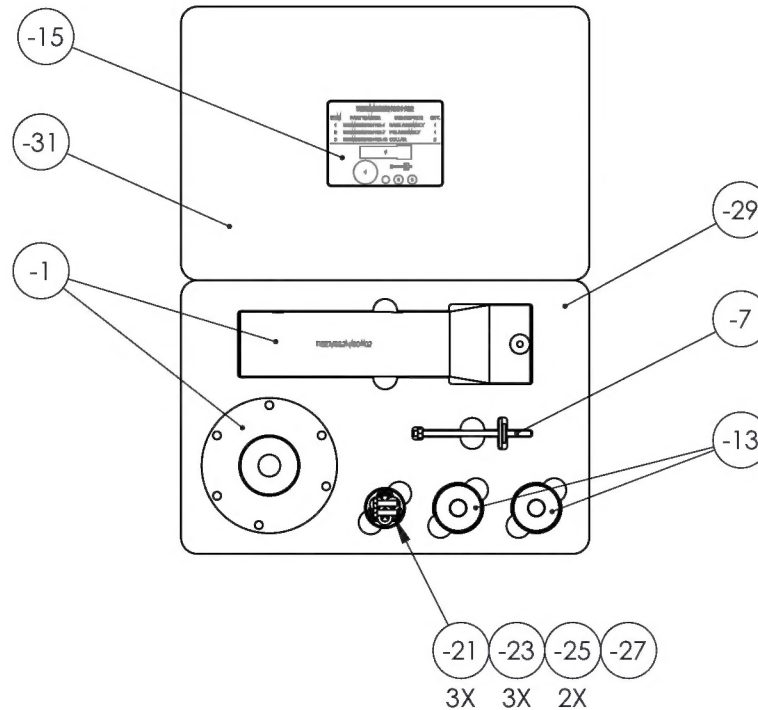


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	10/13/2016	DPD	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	BASE ASSEMBLY			2
	1		-3		BASE	WHITE DELRIN/ACETAL		3
	1		-5		BARREL	WHITE DELRIN/ACETAL		4
X			-7	1	PIN ASSEMBLY			5
1			-9		PIN	WHITE DELRIN/ACETAL		6
1			-11		SPECIAL WASHER	WHITE DELRIN/ACETAL		7
			-13	2	COLLAR	WHITE DELRIN/ACETAL		8
			-15	1	PLACARD	PLASTIC		9
1		B/O	-17		O-RING	VITON	Ø4.109 I.D., Ø.139 CS (MCMaster-CARR #9464K124)	2
		B/O	-19		HEX NUT	STEEL	M6 X 1mm (MCMaster-CARR #90591A151)	5
		B/O	-21	3	FLANGE NUT	STEEL	M8 X 1.25mm (MCMaster-CARR #96194A102)	1
		B/O	-23	3	WASHER	STEEL	M8 (MCMaster-CARR #91166A270)	1
		B/O	-25	2	HEX HEAD CAP SCREW	STEEL	M6 X 1mm X 22mm (MCMaster-CARR #91280A332)	1
		B/O	-27	1	CONTAINER	PLASTIC	1 OZ, Ø1-5/8 X 1-5/8 (MCMaster-CARR #42905T22)	1
		B/O	-29	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	4.25 X 11.40 X 17.00 (CASE SOLUTIONS)	10
		B/O	-31	1	TOP FOAM	ETHAFOAM 220, BLACK	1.73 X 11.40 X 17.00 (CASE SOLUTIONS)	11
		B/O	-33	1	CASE	PLASTIC	PELICAN #APP-1500-E	N/S
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
ASSY -7	ASSY -1							

NOTE:
REF. AIRBUS T/N: M652N1601102.



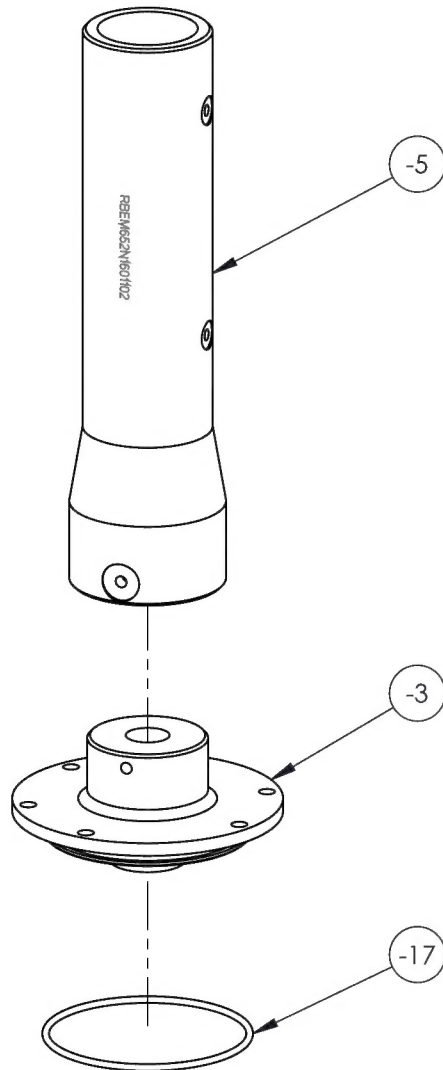
TITLE
CONTROL ROD PROTECTION TOOL

DWG NO. RBEM652N1601102 REV 1

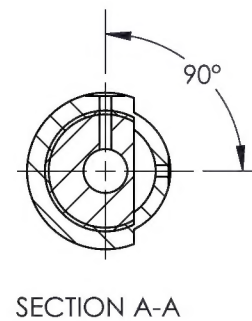
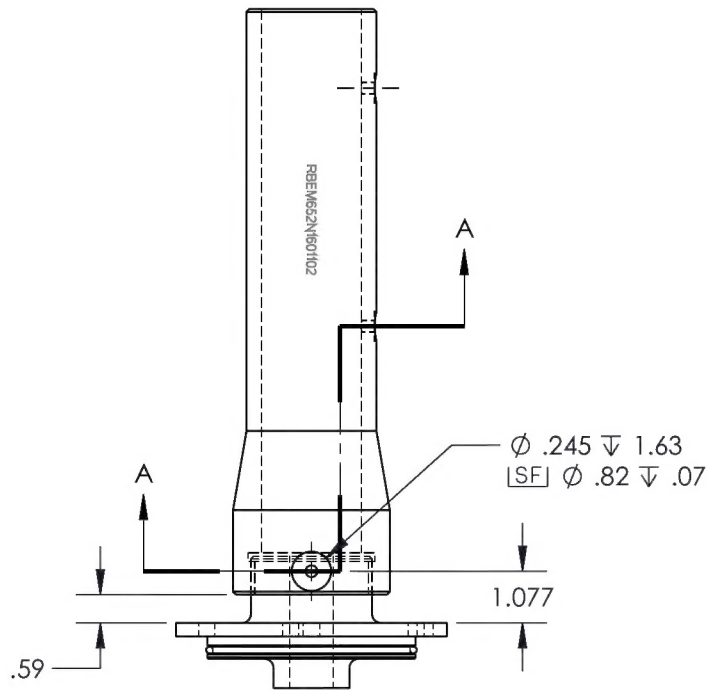
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125°	
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES	
CHECKED:	CLOUGH	.015 x 45° OR .015R	
OPPS APPR:	ANDERSON	2. DIMENSIONAL LIMITS APPLY	
QA APPR:	LINDSAY	AFTER PLATING	
APPROVED:	GILBERT	3. INTERPRET DIM AND TOL PER	
SCALE	1:8	ASME Y14.5M-2009	
DATE	5/11/2016	USED ON MODEL	
		H175	
		SHEET 1 OF 11	

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				APPROVED



(-1)
BASE ASSEMBLY

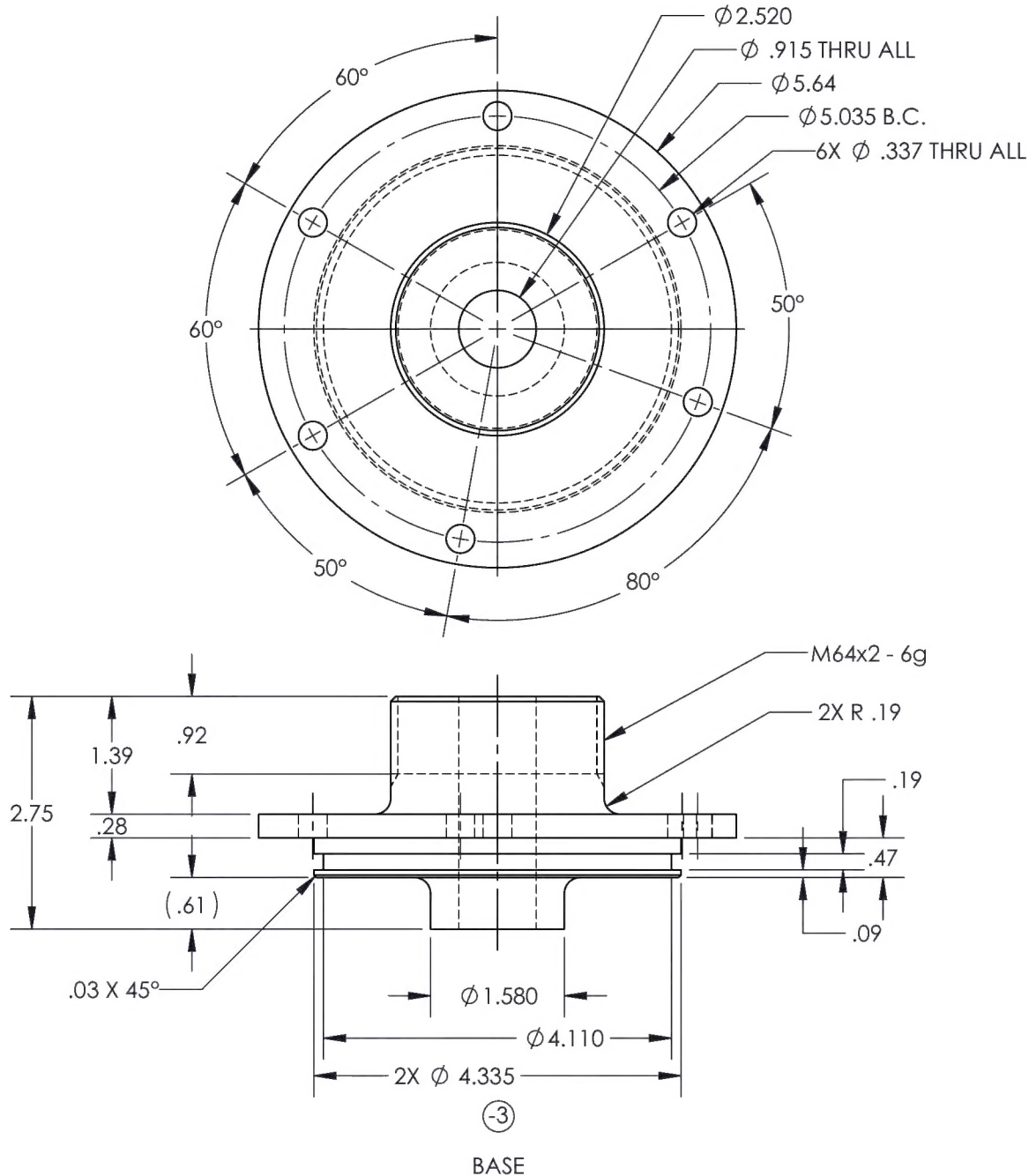


SECTION A-A

DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-1	REV 1
MAT'L REAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:4	DATE 5/11/2016
SHEET 2 OF 11	

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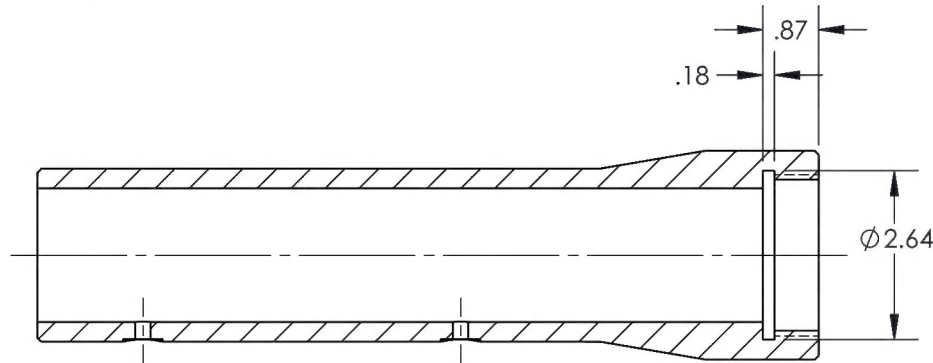
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



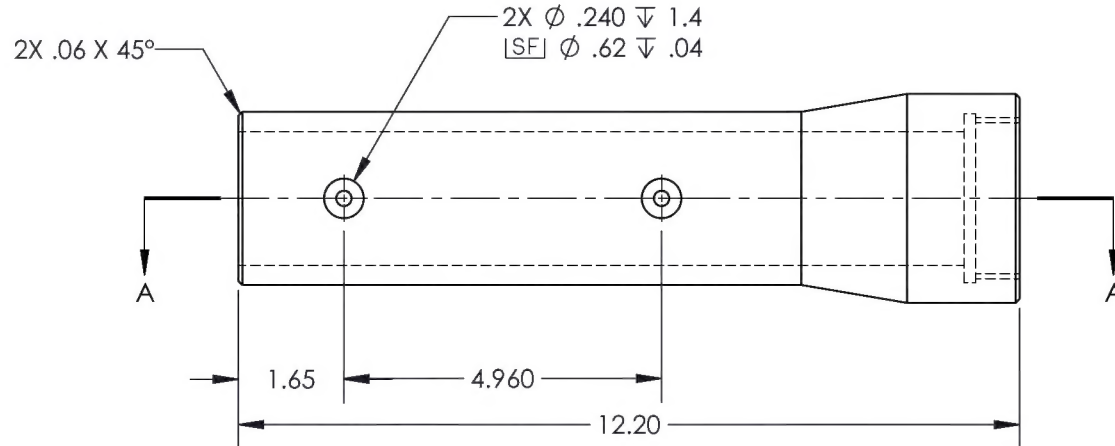
DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-3	REV 1
MAT'L WHITE DELRIN/ACETAL UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SPEC	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 5/11/2016
SHEET 3 OF 11	

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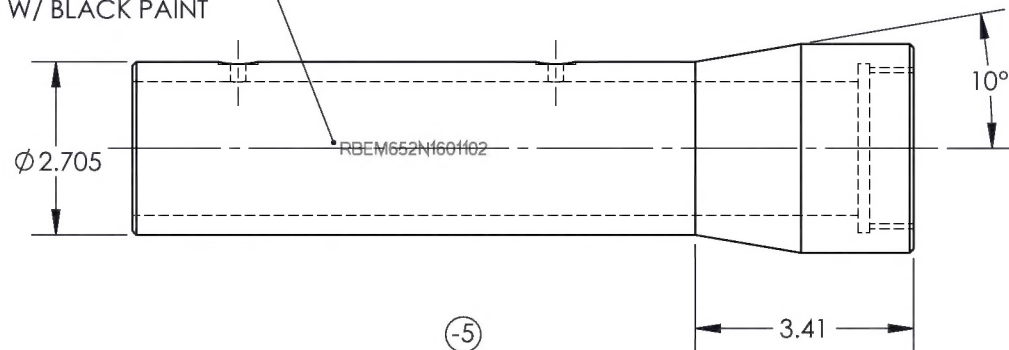
REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



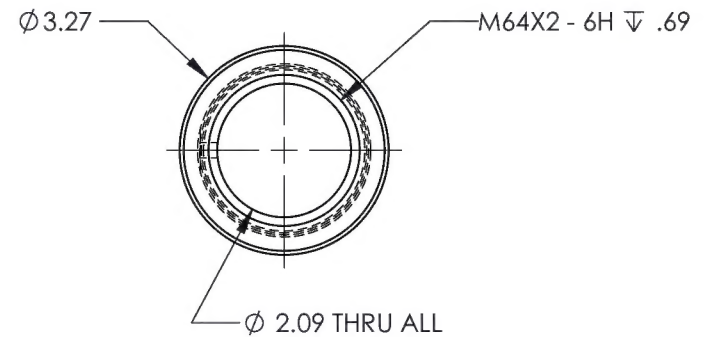
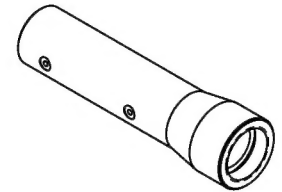
SECTION A-A



LASER ENGRAVE T/N, S/N,
"MADE IN USA",
FILL W/ BLACK PAINT



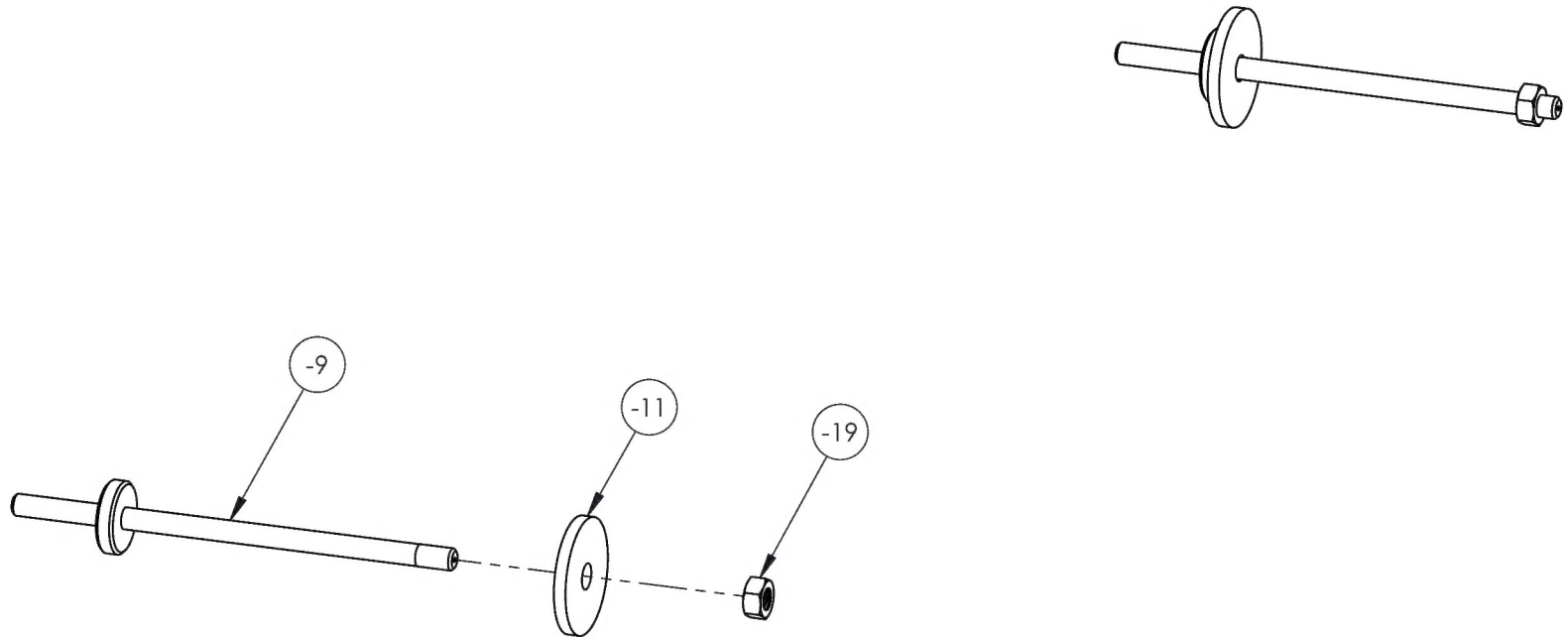
(-5)
BARREL



DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-5	REV 1
MAT'L WHITE DELRIN/ACETAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 1° .X ± .1 SURFACES = 125
SPEC	
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:3	DATE 5/11/2016 SHEET 4 OF 11

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				APPROVED

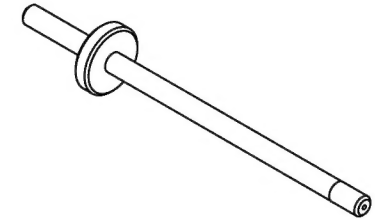
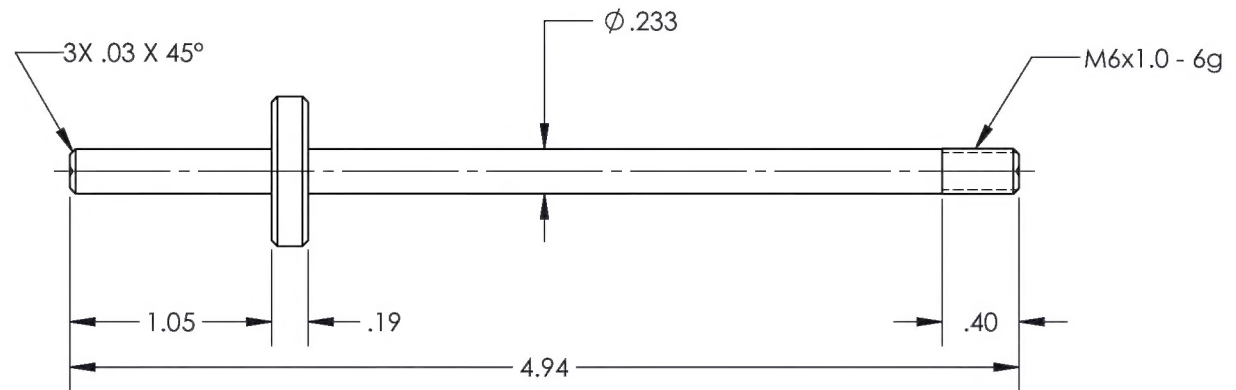
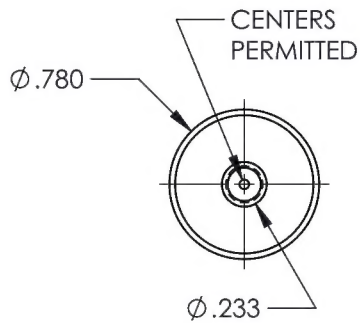


(-7)
PIN ASSEMBLY

DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-7	REV 1
MAT'L REAT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
TREAT FINISH	
SPEC	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	USED ON MODEL H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 5/11/2016
SHEET 5 OF 11	

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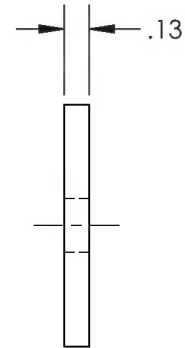
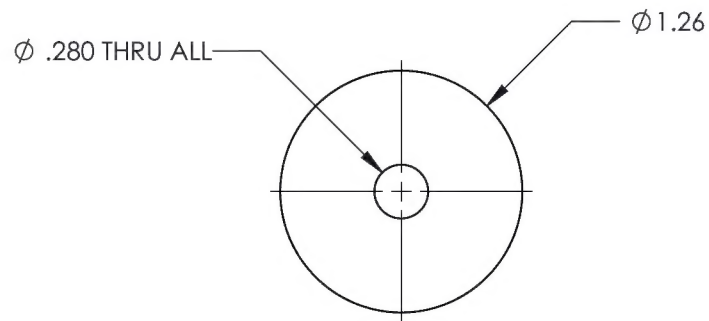
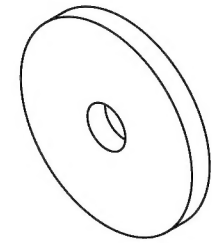


(-9)
PIN

DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-9	REV 1
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 5/11/2016
	SHEET 6 OF 11

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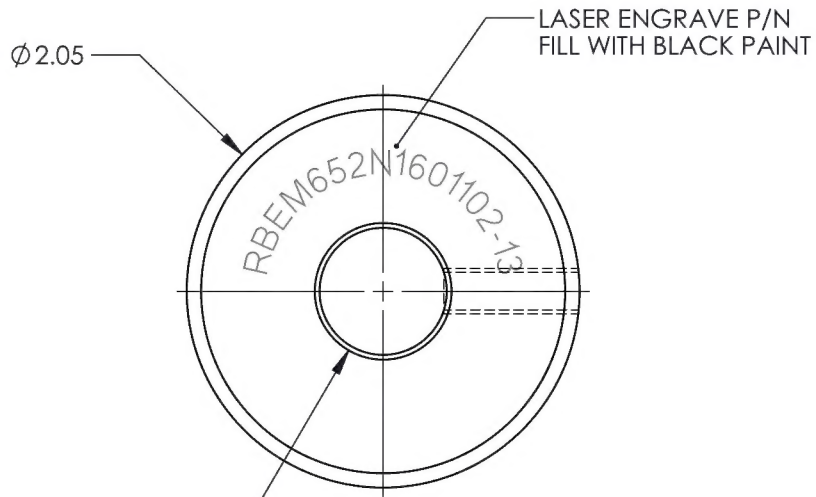
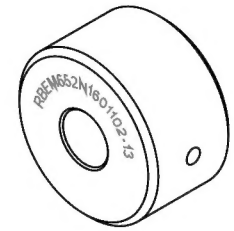
(-11)

SPECIAL WASHER

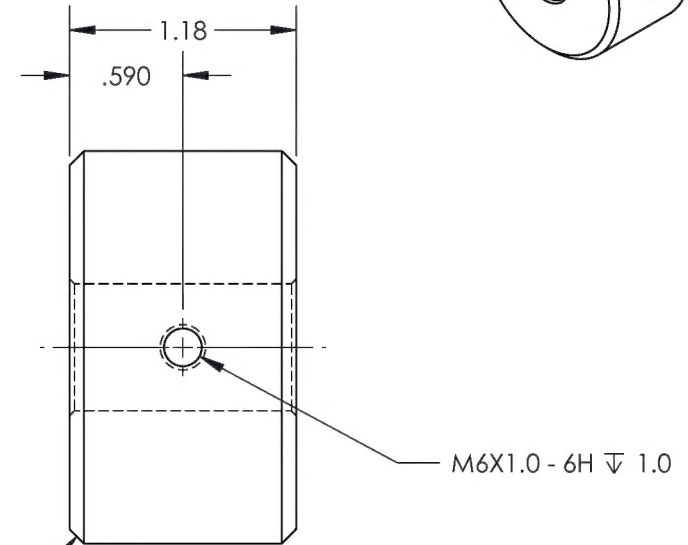
DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-11	REV 1
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 5/11/2016
	SHEET 7 OF 11

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				APPROVED



✓ Ø .662 THRU ALL
Ø .71 X 90°, BOTH SIDES



2X .08 X 45°

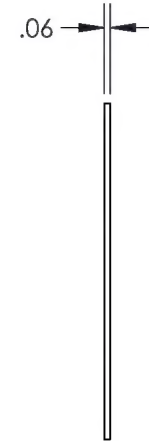
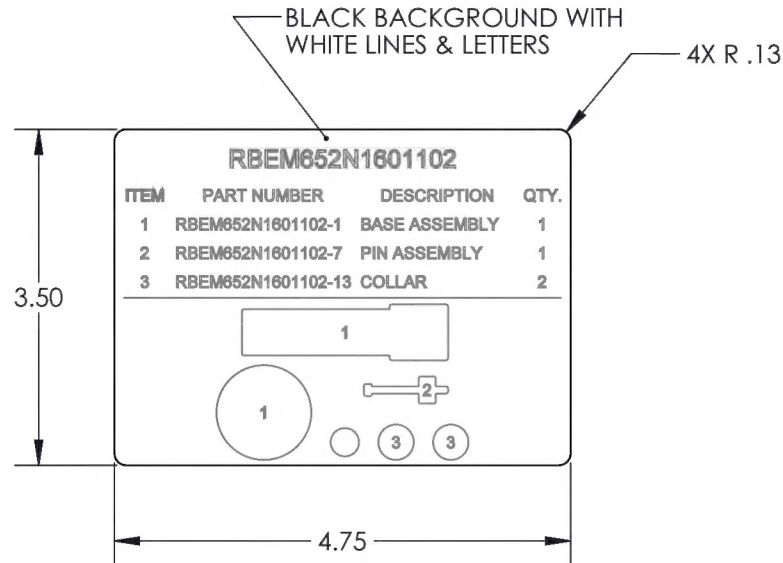
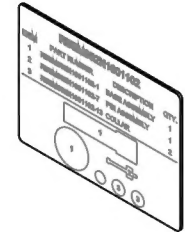
(-13)

COLLAR

DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-13	REV 1
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX \pm .005 FRACTIONS \pm 1/8
FINISH	.XX \pm .01 ANGLES \pm 5°
SPEC	.X \pm .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 5/11/2016
SHEET 8 OF 11	

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				APPROVED



NOTE:
USE PDF.



TITLE
CONTROL ROD PROTECTION TOOL

DWG NO. **RBEM652N1601102-15** REV **1**

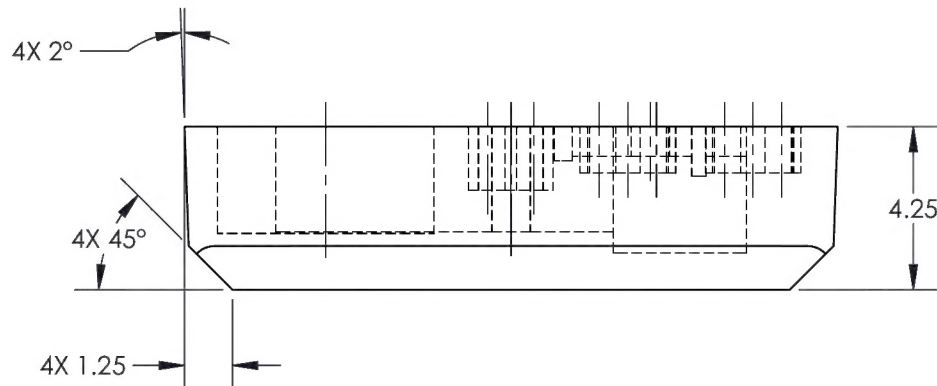
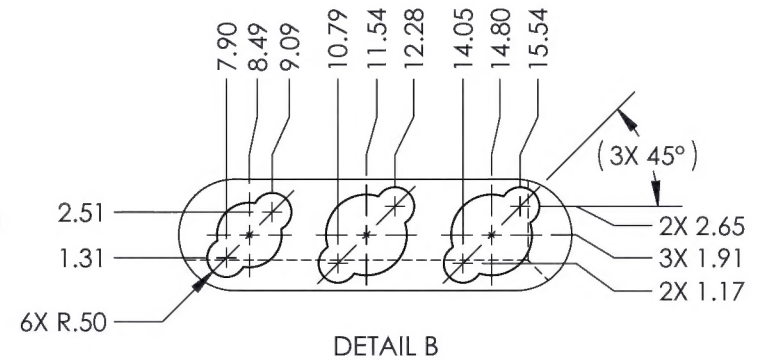
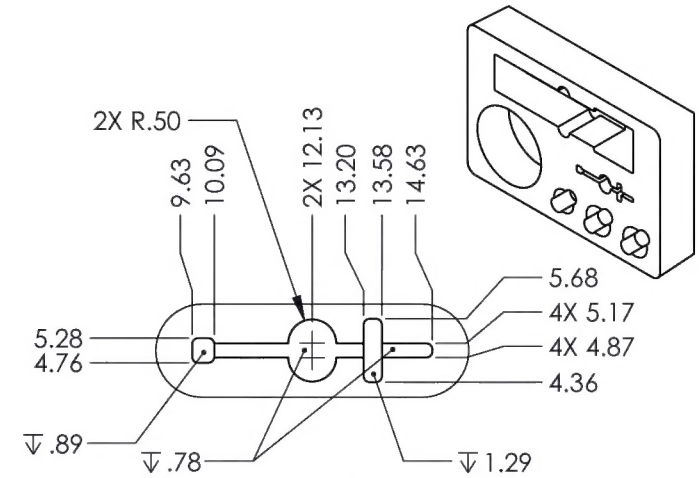
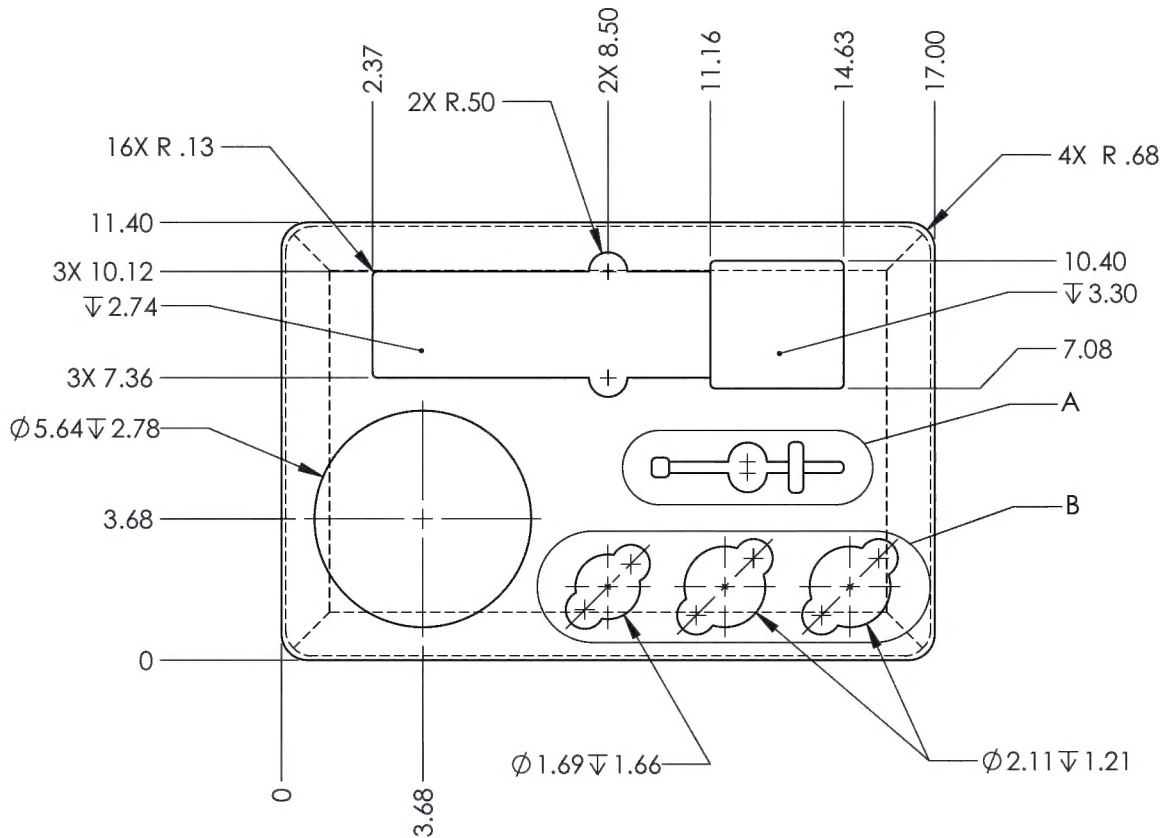
MAT'L PLASTIC		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY: DUERFELDT		.X ± .1 SURFACES = 125°	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:2		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 5/11/2016		USED ON MODEL	
SHEET 9 OF 11		H175	

(15)

PLACARD

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REVISIONS			DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION			



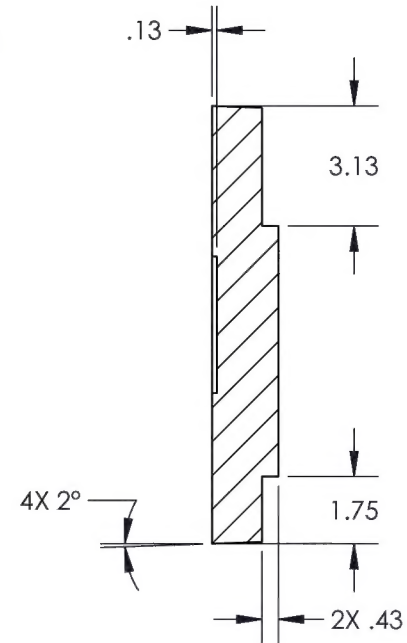
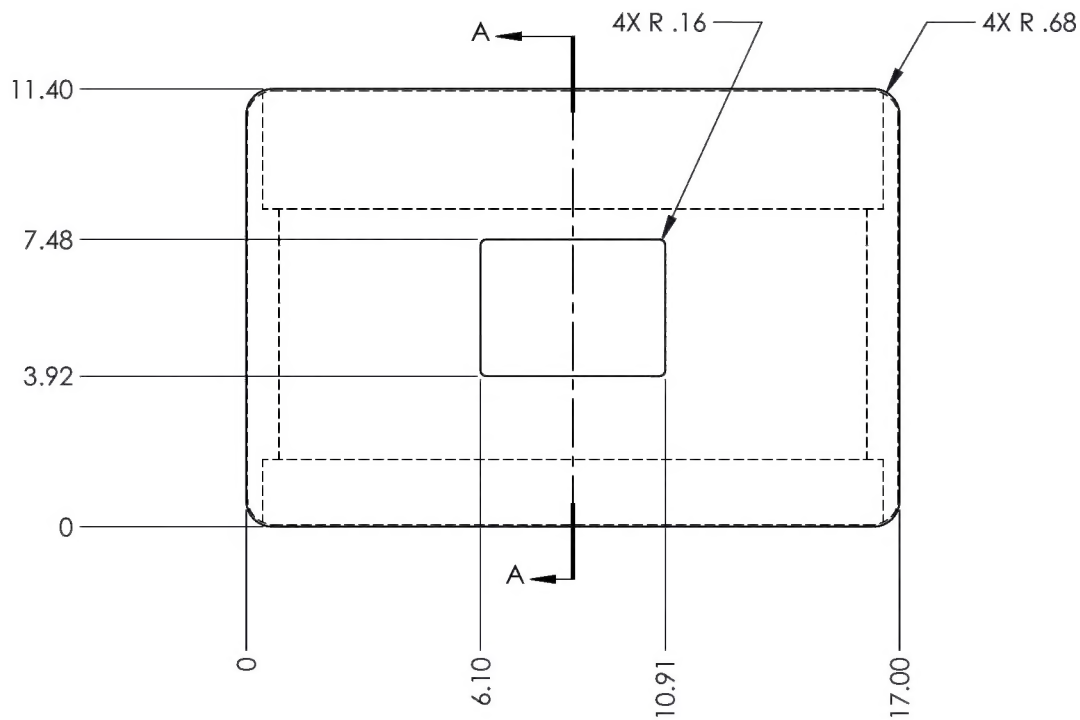
(29)

BOTTOM FOAM

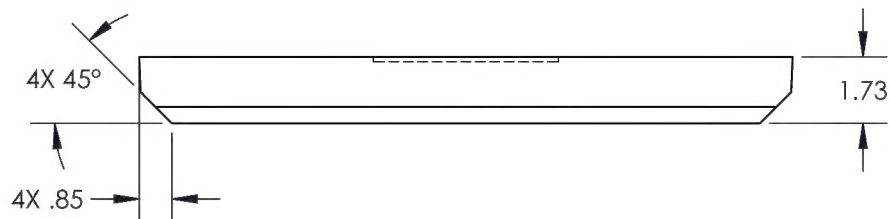
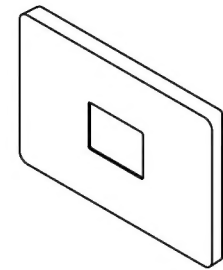
DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-29	REV 1
MATERIAL: ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FRACTIONS ± 1/8	
ANGLES ± 1°	
SURFACES = 125	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:5	DATE 5/11/2016
SHEET 10 OF 11	

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				APPROVED



SECTION A-A



(-31)

TOP FOAM

DART AEROSPACE	
TITLE CONTROL ROD PROTECTION TOOL	
DWG NO. RBEM652N1601102-31	REV 1
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125° ✓	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:5	DATE 5/11/2016
SHEET 11 OF 11	